

C1 69994 SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND WELL COMPLETION REPORT** THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) FILL IN THIS FORM COMPLETELY PLEASE TYPE COUNTY NUMBER

ST/CO USE ONLY DATE Received 07 20 2002 DATE WELL COMPLETED 08 25 2002 Depth of Well 400 PERMIT NO. FROM "PERMIT TO DRILL WELL" 110-20-0189

DATE Received MM DD YY DATE WELL COMPLETED MM DD YY (TO NEAREST FOOT) 28 29 30 31 32 33 34 35 36 37

OWNER Adams, Norman WELL SITE ADDRESS 7429 CHERRY TREE DR TOWN Fallston MD SUBDIVISION _____ SECTION _____ LOT _____

WELL LOG
Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
<u>Brn Silt & Soil</u>	<u>0</u>	<u>70</u>	
<u>Pin Gray Rock</u>	<u>70</u>	<u>400</u>	

GROUTING RECORD yes no
WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one)
CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS 40 NO. OF POUNDS 1600

GALLONS OF WATER _____

DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 400 ft.
(enter 0 if from surface)

CASING RECORD

casing types insert appropriate code below

ST STEEL **CO** CONCRETE
PL PLASTIC **OT** OTHER

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)

60 61 63 64 66 70

OTHER CASING (if used)

E A C H C A S I N G	diameter inch		depth (feet)	
	inch	from	to	to
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL **BR** BRASS **HO** OPEN HOLE
PL PLASTIC **OT** OTHER

C2 DEPTH (nearest ft.)

1	2	3	4	5	6
<u>8</u>	<u>9</u>	<u>11</u>	<u>15</u>	<u>17</u>	<u>21</u>
<u>23</u>	<u>24</u>	<u>26</u>	<u>30</u>	<u>32</u>	<u>36</u>
<u>38</u>	<u>39</u>	<u>41</u>	<u>45</u>	<u>47</u>	<u>51</u>

NUMBER OF UNSUCCESSFUL WELLS: _____

WELL HYDROFRACTURED YES NO

CIRCLE APPROPRIATE LETTER

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED
E ELECTRIC LOG OBTAINED
P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. M D 028

DRILLERS SIGNATURE Michael Kohler

LIC. NO. M S D 028

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Michael Kohler

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 _____

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

T _____ (E.R.O.S.) W Q _____

70 _____ 72 _____ 74 75 76 _____

TELESCOPE CASING LOG INDICATOR OTHER DATA

C3 **PUMPING TEST**

HOURS PUMPED (nearest hour) 8 9

PUMPING RATE (gal. per min.) 11 15

METHOD USED TO MEASURE PUMPING RATE _____

WATER LEVEL (distance from land surface)

BEFORE PUMPING 17 20 ft.

WHEN PUMPING 22 25 ft.

TYPE OF PUMP USED (for test)

A air **P** piston **T** turbine
C centrifugal **R** rotary **O** other (describe below)
J jet **S** submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

+ above 49 LAND SURFACE (nearest foot)
- below 49 50 51

LATITUDE 39.16610
LONGITUDE 76.91731
(DEFAULT COORD. WGS 84)

Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.

05-352312

B 1 80024 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER 40-20-0189

70 fill in this form completely 79

1 2 3 6

Date Received (APA) 6/28/22

8 MM DD YY 13

15 Last Name Adams Owner First Name Norman + Elena

36 Street or RFD 7429 Cherry Tree Dr

57 Town Fulton MD 20759 State 70 Zip 76

B 3 LOCATION OF WELL

8 COUNTY Howard

23 SUBDIVISION Mooresfield

SECTION 44 46 LOT 13 48 50

52 NEAREST TOWN Fulton

DRILLER INFORMATION

Driller's Name Michael Kohler M License No. SD 028 76 81

Firm Name Applied Well Drilling

Address 20 Bay 129 Annapolis Junction MD 20701

Signature Michael Kohler Date 05/31/22

B 4 SOURCES OF DRILLING WATER

1. Public

11 STREET ADDRESS 7429 Cherry Tree Dr 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 37 DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: 0041 BLK: PARCEL 0318

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

COUNTY NAME Howard COUNTY NO. 13

STATE SIGNATURE DATE ISSUED 06/09/22 43 MM DD YY 48

CO SIGNATURE Susan Thomas EXP. DATE 06/09/23

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)

I INDUSTRIAL, COMMERCIAL, DEWATERING

P PUBLIC WATER SUPPLY WELL

T TEST, OBSERVATION, MONITORING

O OPEN LOOP GEOTHERMAL

C CLOSED LOOP GEOTHERMAL

22

PROPOSED LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

6/24/22 - one of rig's drilled @ 11:30 AM - rig's drilled just arrived! No drilling yet, rig not set up.

Future Garage

House

22' 30"

28' 21"

24'

20'

20'

22'

Neighbor's Well

Neighbor's House

Proposed

APPROXIMATE DEPTH OF WELL 400 FEET

24 28

APPROXIMATE DIAMETER OF WELL 6 INCH

NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

N THIS WELL WILL NOT REPLACE AN EXISTING WELL

Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

D THIS WELL WILL DEEPEIN AN EXISTING WELL

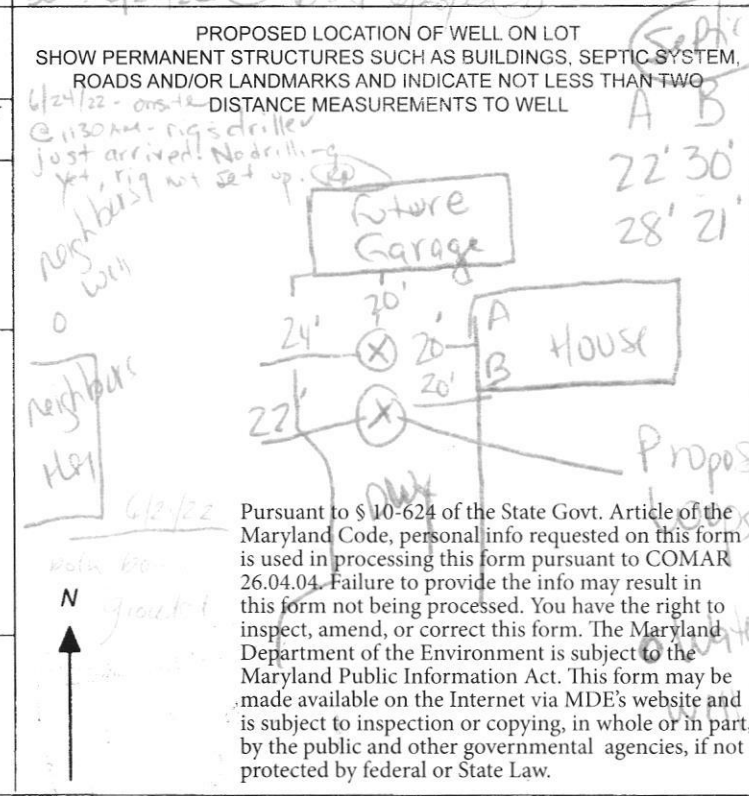
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G

PERMIT No. 40-20-0189

70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

WS: WF-20-01731

A B
22 30
28 21



7429 Cherry Tree Drive
Fulton Md

2 wells @ 400'
Closed loop geo

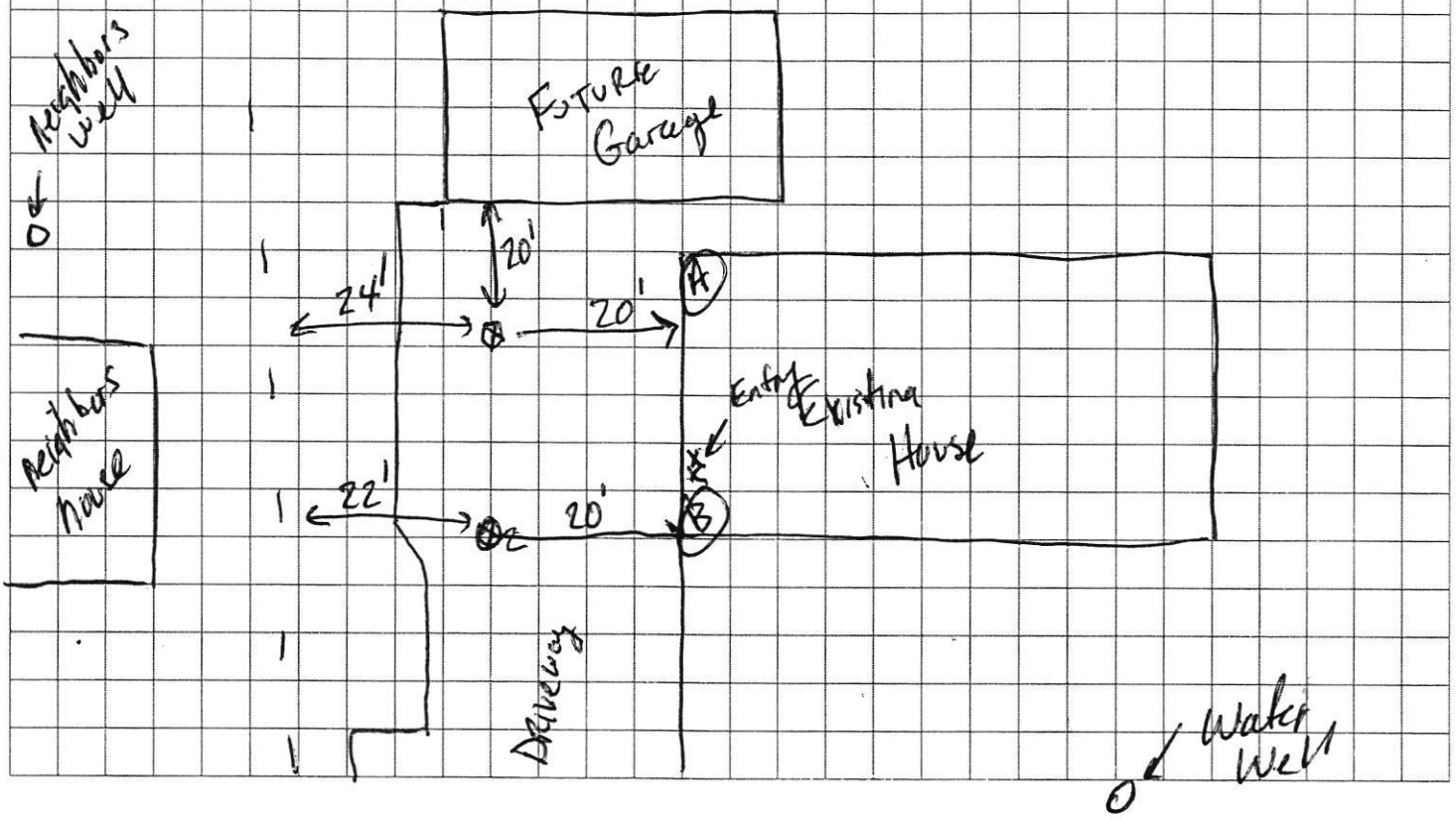
Approved 6/9/22 (ST)
Staked by driller

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

HO-20- 0189

INFORMATION - GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

Septic



Sediment Control Protocol: SILT Fence & Straw bales

Distance From House: 20'
 From Septic: 100'+
 From Sewer: N/A
 From Property Line: 22'
 From Street: 50'+

Trees Nearby: Yes Being trimmed
 Utility Issues: Need Marked
 Mats Needed: NO
 Access For H/U: Yes
 Neighboring Tags: _____

Comments: Drilling in Asphalt, Saw Cut, Haul Spoils.
Enter in Crawl Space

Person Completing Form: Wes Wolfe

HOWARD COUNTY GROUTING PROCEDURE

Boreholes will be grouted from the bottom to the top via a tremie pipe and positive displacement pump. Bentonite grout, known as Quik-Grout will be used according to the manufacturer's specifications to achieve a consistency of at least 20% solids (24 gallons potable water/50 lb. sack of grout) and a permeability no more than $2.5 \text{ E}(-08) \text{ cm/sec}$. Grouting will be completed immediately after installing the geothermal loop and no later than twenty-four (24) hours after installing the geothermal loop. Open boreholes/annular space will be protected as necessary to prevent the entry of surface water or pollutants.

RECEIPT

Howard County, MD
HOWARD COUNTY HEALTH DEPARTMENT
ASCEND ONE BUILDING
Columbia, MD 21045
8930 STANFORD BLVD

Application: WS-WP-22-01737
Application Type: EnvHealth/Well and Septic/Installation/Application
Address:

Receipt No.	Ref Number	Amount Paid	Payment Date	Cashier ID	Received	Comments
4140	27779	\$480.00	06/03/2022	JUKING		3 Well Permits

Work Description: 3 Well Permits/ 7429 Cherry Tree/ 3377 Danmark Dr/ 7414 W Weathern Worn Way